



IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Darrel R. Bloomquist (Deceased) et al.

Confirmation No.:

Application No.: 10/808,847

Examiner: Unknown

Filing Date: Feb. 22, 2002

Group Art Unit: Unkn.

Title: IN-PLANE TOROIDAL MEMORY CELL WITH VERTICALLY STEPPED CONDUCTORS

COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

COPY OF PAPERS  
ORIGINALLY FILED

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- (X) Response/Amendment ( ) Petition to extend time to respond  
( ) New fee as calculated below ( ) Supplemental Declaration  
( ) No additional fee (Address envelope to "Box Non-Fee Amendments")  
(X) Other: Comm. re: Incorrect FR; Copy of FR; Corrected Dec (fee \$ 25.00)

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS		MINUS		= 0	X \$18	\$ 0
INDEP. CLAIMS		MINUS		= 0	X \$84	\$ 0
[ ] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$280	\$ 0
EXTENSION FEE	1ST MONTH \$110.00	2ND MONTH \$400.00	3RD MONTH \$920.00	4TH MONTH \$1440.00		\$ 0
OTHER FEES						\$ 25
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 25

Charge \$ 25 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit: May 21, 2002

Typed Name: Matthew B. McNutt

Signature:

Respectfully submitted,

Darrel R. Bloomquist (Deceased) et al.

By

Matthew B. McNutt

Attorney/Agent for Applicant(s)

Reg. No. 39,766

Date: May 21, 2002



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Darrel R. Bloomquist (Deceased) et al. Examiner: Unknown  
Serial No.: 10/080,847 Group Art Unit: Unknown  
Filed: February 22, 2002 Docket: 10013884-1  
Title: IN-PLANE TOROIDAL MEMORY CELL WITH VERTICALLY STEPPED  
CONDUCTORS

**COMMUNICATION RE: INCORRECT FILING RECEIPT**

Commissioner for Patents  
Office of Initial Patent Examination  
Customer Service Center  
Washington, D.C. 20231

**COPY OF PAPERS  
ORIGINALLY FILED**

Dear Sir/Madam:

Applicants hereby request correction of the Filing Receipt with respect to the above-identified patent application. In the Filing Receipt mailed from the Patent Office on March 25, 2002 (copy enclosed), the residence as claimed by Applicant is incorrect.

In the Filing Receipt, the residence as Claimed by Applicant *reads* as follows:

Darrel R. Bloomquist, Meridian, CA, Deceased;  
Judy Bloomquist, Meridian, ID, Legal Representative;  
Anthony Peter Holden, Boise, ID;  
Manoj K. Bhattacharyya, Cupertino, CA;  
Thomas C. Anthony, Sunnyvale, CA;

In the Filing Receipt, the residence as Claimed by Applicant *should read* as follows:

Darrel R. Bloomquist, Meridian, **ID**, Deceased;  
Judy Bloomquist, Meridian, **ID**, Legal Representative;  
Anthony Peter Holden, Boise, **ID**;  
Manoj K. Bhattacharyya, Cupertino, CA;  
Thomas C. Anthony, Sunnyvale, CA;

Applicants would appreciate the above-identified printing error be corrected due to a typographical error and that a new "corrected" Filing Receipt be sent to Applicants' representatives at the address given below.

Applicants would point out that the addresses of all individuals that signed the original declaration are correct and only the address of the deceased inventor contained an error on the first page of the declaration. The address of the deceased inventor on the Added Page to

Declaration and Power of Attorney for Patent Application by Administrator, Executor, or Legal Representative on Behalf of Deceased Inventor (37 C.F.R. § 1.42) was in fact correct.

At least one of the above corrections is due to Applicants' error; the Patent Office is hereby authorized to charge deposit account 08-2025 in the amount of \$25.00 for the fee as set forth under 37 C.F.R. § 1.19(h). At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

Any inquiry regarding this Amendment and Response should be directed to Steven R. Ormiston at Telephone No. (208) 396-2544, Facsimile No. (208) 396-3958. In addition, all correspondence should continue to be directed to the following address:

**Hewlett-Packard Company**  
Intellectual Property Administration  
P.O. Box 272400  
3404 E. Harmony Road, M/S 35  
Fort Collins, Colorado 80527-2400

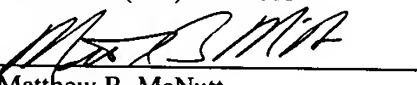
Respectfully submitted,

Darrel R. Bloomquist (Deceased) et al.,

By their attorneys,

DICKE, BILLIG & CZAJA, P.A.  
701 Building, Suite 1250  
701 Fourth Avenue South  
Minneapolis, MN 55415  
Telephone: (612) 573-2000  
Facsimile: (612) 573-2005

Date: May 21, 2002  
MBM:jan

  
Matthew B. McNutt  
Reg. No. 39,766

**CERTIFICATE UNDER 37 C.F.R. 1.8:** The undersigned hereby certifies that this paper or papers, as described herein, are being deposited in the United States Postal Service, as first class mail, in an envelope address to: Commissioner for Patents, Washington, D.C., 20231 on this 21<sup>st</sup> day of May, 2002.

By:   
Name: Matthew B. McNutt

COPY OF PAPERS  
ORIGINALLY FILED



RECEIVED Page 1 of 2

2FG

APR 02 2002



UNITED STATES PATENT AND TRADEMARK OFFICE

H. P. BOISE LEGAL

UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FILE FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/080,847	02/22/2002	2818	740	10013884-1	5	20	3

022879  
HEWLETT PACKARD COMPANY  
P O BOX 272400, 3404 E. HARMONY ROAD  
INTELLECTUAL PROPERTY ADMINISTRATION  
FORT COLLINS, CO 80527-2400

RECEIVED

CONFIRMATION NO. 9645

FILING RECEIPT



\*0000000007703657\*

MAR 28 2002

HP LEGAL  
IPA

ASB.  
PSB.

Date Mailed: 03/25/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Darrel R. Bloomquist, Meridian, CA, Deceased; ✓  
Judy Bloomquist, Meridian, ID, Legal Representative; ✓  
Anthony Peter Holden, Boise, ID; ✓  
Manoj K. Bhattacharyya, Cupertino, CA; ✓  
Thomas C. Anthony, Sunnyvale, CA; ✓

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted 03/22/2002

Projected Publication Date: 08/28/2003

Non-Publication Request: No

Early Publication Request: No

Title

In-plane toroidal memory cell with vertically stepped conductors

Preliminary Class

365

**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

**PATENT APPLICATION**

ATTORNEY DOCKET NO. 10013884-1

MAY 3 1 2002

As a below named inventor, I hereby declare that  
My residence/post office address and citizenship are declared below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**IN-PLANE TOROIDAL MEMORY CELL WITH VERTICALLY STEPPED CONDUCTORS**

the specification of which is attached hereto unless the following box is checked:

( ) was filed on \_\_\_\_\_ as US Application No. or PCT International Application  
Number \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

**Foreign Application(s) and/or Claim of Foreign Priority**

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES: _____ NO: _____
			YES: _____ NO: _____

**Provisional Application**

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION NUMBER	FILING DATE

**COPY OF PAPERS  
ORIGINALLY FILED**

**U. S. Priority Claim**

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NUMBER	FILING DATE	STATUS (patented/pending/abandoned)

**POWER OF ATTORNEY:**

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Customer Number 022879

Place Customer  
Number Bar Code  
Label here

Send Correspondence to:  
**HEWLETT-PACKARD COMPANY**  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

Direct Telephone Calls To:

**Anthony J. Baca**  
**(208) 396-3597**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor: Darrel R. Bloomquist

Citizenship: U.S.

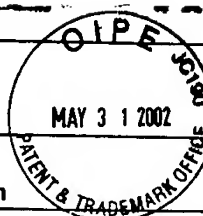
Residence: 2950 Springwood, Meridian, ID 83642

Post Office Address: Same As Above

DECEASED-COMPLETED ON ADDED PAGE  
Inventor's Signature

Date

**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION (continued)**



ATTORNEY DOCKET NO. 10013884-1

Full Name of # 2 joint inventor: **Anthony Peter Holden**

Citizenship: **Great Britain**

Residence: **13243 West Dahlia Drive, Boise, ID 83713**

Post Office Address: **Same As Above**

Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_

**COPY OF PAPERS  
ORIGINALLY FILED**

Full Name of # 3 joint inventor: **Manoj K. Bhattacharyya**

Citizenship: **India**

Residence: **22434 Palm Avenue, Cupertino, CA 95014**

Post Office Address: **Same As Above**

Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_

Full Name of # 4 joint inventor: **Thomas C. Anthony**

Citizenship: **U.S.**

Residence: **1161 Pimento Avenue, Sunnyvale, CA 94087**

Post Office Address: **Same As Above**

Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_

Full Name of # 5 joint inventor: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Residence: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_

Full Name of # 6 joint inventor: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Residence: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_

Full Name of # 7 joint inventor: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Residence: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_

Full Name of # 8 joint inventor: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Residence: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_



ATTACHED PAGE TO DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION  
BY ADMINISTRATOR(TRIX), EXECUTOR(TRIX), OR LEGAL REPRESENTATIVE  
ON BEHALF OF DECEASED INVENTOR (37 C.F.R. §1.42)

I,

Judy Bloomquist  
Name  
2950 Springwood Avenue  
Address  
Meridian, ID 83642  
City, State, Zip Code

**COPY OF PAPERS  
ORIGINALLY FILED**

hereby declare that I am a Citizen of the United States of America, residing at the above-mentioned address, and that I am executing and signing this declaration, to which this page is attached, as the:

☐ administrator(trix) of,  
☐ executor(trix) of the last will and testament of, or  
☒ legal representative (or heirs) of

deceased inventor:

**Darrel R. Bloomquist**  
**Citizen of the United States**  
**Residence: 2950 Springwood Avenue**  
**Meridian, ID 83642**

Upon information and belief, I aver those facts which the inventor is required to state regarding the invention or discovery in:

**IN-PLANE TOROIDAL MEMORY CELL WITH VERTICALLY STEPPED CONDUCTORS**

Date: \_\_\_\_\_

\_\_\_\_\_  
Administrator(trix), executor(trix), or  
legal representative (or all heirs)  
Estate of Darrel R. Bloomquist